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NOTICE OF ALLOWANCE AND FEE(S) DUE

05514

7590

02/25/2003

FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112 PHAM, HAI CHI

ART UNIT CLASS-SUBCLASS

347-244000

2861

DATE MAILED: 02/25/2003

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/851,157	05/09/2001	Yasuo Suzuki	35.C15343	2510

TITLE OF INVENTION: SCANNING OPTICAL APPARATUS AND IMAGE FORMING APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	05/27/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

(703)746-4000

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INSTRUCTIONS: This for appropriate. All further con indicated unless corrected by maintenance fee notification	respondence including the selow or directed otherwise	ansmitting the ISSUE F e Patent, advance orders se in Block I, by (a) sp	EE and PUBLIC and notification ecifying a new co	ATION FEE (if of maintenance feorrespondence add	required). Blocks 1 through 4 sees will be mailed to the current ress; and/or (b) indicating a separate	hould be completed wher correspondence address a arate "FEE ADDRESS" fo
CORRENT CORRESPONDENC 05514 75	CORRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 05514 7590 02/25/2003			Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or		
	CELLA HARPER &	& SCINTO		formal drawing,	must have its own certificate of n	nailing or transmission.
30 ROCKEFELLE NEW YORK, NY				I hereby certify United States Po envelope address	Certificate of Mailing or Trans that this Fee(s) Transmittal is stal Service with sufficient posta sed to the Box Issue Fee address e USPTO, on the date indicated b	being denosited with the
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APPLICATION NO.	FILING DATE	FIRS	T NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,157	05/09/2001		Yasuo Suzuki		35.C15343	2510
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nonprovisional	NO	\$1300	· · · · · · · · · · · · · · · · · · ·	\$300	\$1600	05/27/2003
EXAMIN	IEB	ART UNIT	CLASS-SUBCI	A 88		
PHAM, HA		2861	347-24400			
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1. Change of correspondent CFR 1.363).	ce address or indication of	"Fee Address" (37		on the patent from to 3 registered p		
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☐ "Fee Address" indication PTO/SB/47; Rev 03-02 on Number is required.	on (or "Fee Address" Indic or more recent) attached. U	ation form se of a Customer	registered pater	ent) and the nam t attorneys or age the will be printed.		
3. ASSIGNEE NAME AND	RESIDENCE DATA TO	BE PRINTED ON THE	PATENT (print o	r type)	····	
PLEASE NOTE: Unless at been previously submitted (A) NAME OF ASSIGNEE	n assignee is identified be to the USPTO or is being : 3	low, no assignee data wi submitted under separate (B) RE	ill appear on the p cover. Completic SIDENCE: (CIT)	natent. Inclusion of n of this form is N and STATE OR	f assignee data is only appropriat OT a substitute for filing an assig COUNTRY)	e when an assignment has gnment.
Please check the appropriate la. The following fee(s) are		· · · · · · · · · · · · · · · · · · ·	·	individual	corporation or other private gr	roup entity governmen
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Authorized Signature)		(Date)		-		
NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec	registered attorney or a cords of the United States I	gent; or the assignee of Patent and Trademark Of	r other party in			
This collection of informat obtain or retain a benefit the application. Confidentiality estimated to take 12 minute completed application form case. Any comments on suggestions for reducing the Patent and Trademark Offin NOT SEND FEES OR Commissioner for Patents,	ion is required by 37 CF by the public which is to its governed by 35 U.S.C. es to complete, including in to the USPTO. Time withe amount of time you his burden, should be senice, U.S. Department of COMPLETED FORMS Washington, DC 20231.	R 1.311. The information file (and by the USPTC 122 and 37 CFR 1.14. The gathering, preparing, and ill vary depending upon require to complete the tothe Chief Information ommerce, Washington, I TO THIS ADDRESS.	on is required to to process) an his collection is d submitting the n the individual his form and/or on Officer, U.S. D.C. 20231. DO S. SEND TO:			

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09/851,157	05/09/2001 Yasuo Suzuki		35.C15343	2510
05514 - 7	7590 02/25/2003	<u> </u>	EXAMINER	
	TZPATRICK CELLA HARPER & SCINT ROCKEFELLER PLAZA EW YORK, NY 10112	SCINTO	PHAM, HAI CHI	
			ART UNIT	PAPER NUMBER
			2861	
		DA	ATE MAILED: 02/25/2003	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



UNITED STATES PATENT AND TRADEMARK OFFICE

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09/851,157	05/09/2001	Yasuo Suzuki	35.C15343	2510
05514	7590 02/25/2003		EXAMINER	
FITZPATRICK	CELLA HARPER &	SCINTO	PHAM, HAI CHI	
	NITED STATES		ART UNIT	PAPER NUMBER
UNITED STATI			2861	
		DA	TE MAILED: 02/25/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

€~c [*]		FIRE CONGR 11
	Application No.	Applicant(s)
Notice of Allowability	09/851,157 Examiner	SUZUKI ET AL.
	Hai C Pham	2861
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communication is subjected and MPEP 1308.	pplication. If not included on will be mailed in due course. THIS
1. This communication is responsive to <u>Amendment filed 11/</u>	<u>25/02</u> .	
2. The allowed claim(s) is/are <u>11, 15-20, 22-31</u> .		
3. The drawings filed on are accepted by the Examine		
4. ☑ Acknowledgment is made of a claim for foreign priority und a) ☑ All b) ☐ Some* c) ☐ None of the:		
 Certified copies of the priority documents have 		
2. Certified copies of the priority documents have		
3. Copies of the certified copies of the priority do	cuments have been received in thi	s national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
5. Acknowledgment is made of a claim for domestic priority u		isional application).
(a) The translation of the foreign language provisional a		
6. Acknowledgment is made of a claim for domestic priority u	nder 35 U.S.C. §§ 120 and/or 121	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this communication to file a reply this application. THIS THREE-M	complying with the requirements noted ONTH PERIOD IS NOT EXTENDABLE.
7. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which gives reas		
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing Examiner. 		
(c) ☐ including changes required by the attached Examiner	's Amendment / Comment or in th	e Office action of Paper No
Identifying indicia such as the application number (see 37 CFR 1 of each sheet. The drawings should be filed as a separate paper		
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T		
Attachment(s)		
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4⊡ Interview Sum 6⊠ Examiner's An	mai Patent Application (PTO-152) mary (PTO-413), Paper No nendment/Comment atement of Reasons for Allowance

Art Unit: 2861

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney John A. Krause on February 21, 2003.

The application has been amended as follows:

IN THE CLAIMS:

Claim 18: Rewrote claim 18 as follows:

An image forming apparatus according to Claim 11, including a plurality of light sources wherein [a single one of said deflecting means is positioned to polarize light emitted from said plurality of light sources, and wherein] separate sets comprising a said mirror, a said plurality of lenses, and a said image bearing member, are arranged with respect to each of said plurality of light sources.—

Claim 21:

Deleted claim 21.

Application/Control Number: 09/851,157

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Claim 22:

Line 1, changed "21" to --20--.

Claim 23: Rewrote claim 23 as follows:

<u>9</u>28.

mirror,

A scanning optical apparatus comprising:

a light source;

rotational deflecting means for deflecting [and polarizing] light emitted from said light source;

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a mirror for reflecting the light deflected by said deflecting means; and a plurality of [lens] <u>lenses</u> for image-forming the light reflected by said

wherein said plurality of lenses are provided on a downstream side of said mirror [along a direction of a light polarized by said deflecting means].--

Claim 27: Rewrote claim 27 as follows:

An image forming apparatus according to Claim 23, including a plurality of light sources, wherein [a single one of said deflector means is positioned to polarize light emitted from said plurality of light sources, and wherein] separate sets comprising a said mirror and a said plurality of lenses are arranged with respect to each of said plurality of light sources.--



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Claim 29:

• Line 2, changed "polarizing" to --deflecting--.

Claim 31: Rewrote claim 31 as follows:

/7 --31:

A scanning optical apparatus comprising:

a light source;

rotational deflecting means for deflecting [and polarizing] light emitted from said light source;

By

a reflecting member for reflecting the light deflected by said deflecting means; and

a plurality of imaging members for image-forming the light reflected by said reflecting member,

wherein said plurality of lenses are provided on a downstream side of said reflecting member [along a direction of a light polarized by said deflecting means].--

2. The following is an examiner's statement of reasons for allowance: the primary reason for the indication of the allowability of the claimed invention is the inclusion of the limitation, in the combination as currently claimed, that the image forming apparatus includes a plurality of lenses for image-forming a light beam, which is emitted from a light source, deflected by a rotational deflecting means, and reflected by a mirror to expose the surface of an image bearing member, the plurality of lenses being positioned along the optical path and on a downstream side of the mirror. The combined

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limitations are not found taught or fairly suggested by the prior arts made of record, considered alone or in combination.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai C Pham whose telephone number is (703) 308-1281. The examiner can normally be reached on T-F (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Benjamin R. Fuller can be reached on (703) 308-0079. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722, (703) 308-7724, (703) 308-7382, (703) 305-3431, (703) 305-3432 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

HAI PHAM

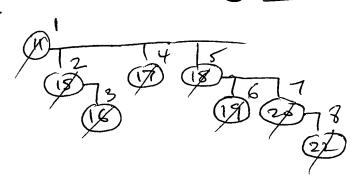
PRIMARY EXAMINER

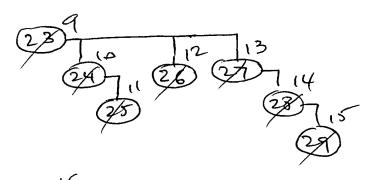
Har Si Phan

February 21, 2003

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09/851,157





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